



# भारत का राजपत्र The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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PATENT AND DESIGNS

Calcutta, the 25th February 1995

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एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 25 फरवरी 1995

**पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार**

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी स्टेट, तीसरा तल, लोअर पटेल (एचएम)।  
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा दीव एवं दादरा और नगर हवेली।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405; तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,

61, बालासाहू रोड,

मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिमिकाय तथा एमिनिविदि द्वीप।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
रजाम पैलेस, द्वितीय बहुतलीय कार्यालय,  
बन 5, 6 तथा 7वां तल,  
34/4, आचार्य जगदीश बोस रोड,  
नफ्ता-700020।

तार का अवशेष क्षेत्र।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

**सूचना :—**सूचकों की अवायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य अवायगी अथवा डाक आवेदन या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है।

**CORRIGENDUM**

In the Gazette of India, Part III, Section 2, dated 27-8-94, page No. 778, Column 2, under heading “Cessation” of Patents.

Delite—Patent No. 169312

In the Gazette of India, Part III, Section 2, dated 10-9-1994, Page No. 826, Column 2 under heading “Cessation” of Patents.

For Patent No. 143768 Read No. 148768

In the Gazette of India Part III, Section 2, under heading “Cessation” of Patents.

Delite No. 150732.

Under the heading “PATENT SEALED” in the Gazette of India, Part-III, Section-2, dated the 9th July, 1993 notified on 7-8-93 delete Patent No. 170444 and freshly sealed on 27-5-94 which was notified on 26-6-94.

Under the heading “PATENT SEALED” in the Gazette of India, Part-III, Section 2, dated 21-10-94, notified on 19-11-94 delete Patent No. 173112.

**APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20**

The dates shown in the crecent brackets are the date claimed under section 135, of the Patent Act, 1970.

29-12-1994

1090/Cal/94. Synthetic Moulders Limited. Modular plastic distributor valve assembly.

30-12-1994

1091/Cal/94. Anton Gunzinger. Intelligent Communications system.

1092/Cal/94. Goldstar Co. Ltd. Apparatus and method for controlling turntable of microwave oven.

1093/Cal/94. R.G. Enterprises. R.E. Pump.

02-01-1995

1/Cal/95. Novoflex Cable care Systems. A high grip interlocking cable marker.

2/Cal/95. Hoechst Aktiengesellschaft. Production of amminated cotton fibers.

3/Cal/95. (1) Bhaswar Chatterjee and (2) Sampat Chatterjee. A device for advertising.

4/Cal/95. Minato Company, Ltd. Deodorizing compocetion containing ferrous compound.

5/Cal/95. Wago Verwaltungsgesellschaft MBH. Input/output module for a data bus (convention No. 4402002-3 dated 18-01-94; Germany).

6/Cal/95. Messrs. Rare & Reals Impex trades Pvt. Ltd. Portable biogas digestors.

3-01-1995

- 7/Cal/95. Spherilene S.r.l. Highly processable polymeric compositions based on Hdpe.

04-01-1995

- 8/Cal/95. Shri Bhubaneswar Barthakur. Spring loaded filing equipment for classified, general and loose leaves filing of office papers.
- 9/Cal/95. Cornelis offergelt. Processing high lignin Containing material to form moulded products.
- 10/Cal/95. Satya Shobhan Das. Digital power distribution system-DPDS.
- 11/Cal/95. Satya Shobhan Das. Self resetting power limiter—SRPL.

09-01-1995

- 12/Cal/95. Hoechst Aktiengesellschaft. Water-soluble azo compounds, preparation thereof, and use thereof as dyes.
- 13/Cal/95. Hans-Otto Schwarze. Arrangement to strip unwanted matter from belt bands in conveyor belt installations in the region of a driving and/or direction-changing roller.
- 14/Cal/95. E. I. Du Pont De Nemours and Company. Preparation of hydrogen cyanide.
- 15/Cal/95. E. I. Du Pont De Nemours and Company. Process for the separation of glycols from dimethyl terephthalate.
- 16/Cal/95. L.A-Z-Boy Chair Company. Chair Base.
- 17/Cal/95. Pal-Her Moti. Lifesaving breathing device.
- 18/Cal/95. Roland Graham Whiteing. A trigger device having said mechanism and a gun having the same. (Convention No. 9425975.1; dated 22-12-1994; U.K.).
- 19/Cal/95. Monarch Knitting machinery (UK) Limited. Knitting apparatus. (Convention Nos. 9400740.8, 9407412.7; dated 15-1-94, 14-4-94; Great Britain).

10-01-1995

- 20/Cal/95. Lee Hoong Thye, Eldon. Improved door or like frame construction. (Convention No. 9400583.7; dated 11-1-1994 United Kingdom).
- 21/Cal/95. Novoflex Cable Industries. A strain Relief Power cable and/or Cord Bush.
- 22/Cal/95. Korea Mobile Telecommunications Corporation. wide-area radio paging service processing method.
- 23/Cal/95. Shih-Hsien Lin. A compact Disk Carrying container.

11-01-1995

- 24/Cal/95. Tea Research Association. A Bio-agent formulation for control of black rot diseases of maintenance foliage.
- 25/Cal/95. PPG Industries, Inc. High refractive index photochromic ophthalmic article.

12-01-1995

- 26/Cal/95 (1) Owens-Corning fiberglass corporation and (2) Martow Industries, Inc. Superinsulation panel with thermoelectric device and method.
- 27/Cal/95 Ing. Alessandro Olivetti S.r.l. Biochemically-powered self-exciting electric power source.
- 28/Cal/95. Beloit Technologies, Inc. Impact of temperature and alkali charge on pulp brightness.
- 29/Cal/95. Commonwealth Scientific and industrial research organisation. Enzyme based bioremediation. (Convention No. PM 3347; 13-01-1994; Australia).

- 30/1/95. Arnoldus Theodorus bernardus Maria nales. Method for manufacturing a device in which dish-shaped containers can be placed, and a device in which dish-shaped containers can be placed.

13-01-1995

- 31/Cal/95. The Rogosin Institute. Macroencapsulated secretory cell.
- 32/Cal/95. Michael V. Grumbkow. Internal Combustion engine.
- 33/Cal/95. 432583 H.C. Ltd. Pressure relief valve.
- 34/Cal/95. The Babcock & Wilcox Company. Use of single-lead and multi-lead ribbed tubing for sliding pressure once-through boilers.
- 35/Cal/95 General Electric Company. Laser Shaping with an area patterning mask.

16-01-1995

- 36/Cal/95. Bibhuti Prasanna Sinha. Multi-Storeyed Building Structure with less floor heights.
- 37/Cal/95. N.R. Development Limited Method and apparatus for absorbing heat and preserving fresh products at a predetermined temperature ensuring optimal conditions of same.
- 38/Cal/95. Hoechst Aktiengesellschaft. Reactive dye mixtures.
- 39/Cal/95. Hoechst Aktiengesellschaft. Process for the preparation of quinacridone pigments.
- 40/Cal/95. Hoechst Aktiengesellschaft. Water-soluble azo compounds, preparation thereof, and use thereof as dyes.
- 41/Cal/95. Philmac Pty Ltd. Coupling for outer surface engagement of polymeric pipe.
- 42/Cal/95. Tridibendra Narayan Misra and Biswanath Malik. Gas/vapour sensing element and manufacture thereof and gas/vapour detector incorporating the sensing element.

## ALTERATION OF DATE UNDER SECTION-16

174720

antedated to 09th August, 1990.

(839/Cal./1991)

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patent on any of the Applications concerned, may, at any time within four months of the date of this issue or within further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice, or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

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## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर अधिविहित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित दस्तावेज, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही काइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप है।”

रूपांक (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CL : 34-D ; 73 : 74.

174711

Int. CL : D 06 D 13/00.

A HIGHLY DURABLE WOVEN FABRIC MADE FROM YARNS OF DISCRETE STAPLE FIBERS AND METHOD OF MAKING SAME.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventor : JAMES RALPH GREEN.

Application No. 659/Cal/1989; filed on 11th August, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 28 Claims

A highly durable woven fabric made from yarns of discrete staple fibers having good textile aesthetics comprising 8-70% high modulus organic staple fibers having a modulus of greater than 200 g/dtex and a linear density of less than 10 decitex per fiber and 30-92% low modulus organic staple fibers having a modulus of less than 100 g/tex and a linear density of less than 10 decitex per fiber and the fabric having a specific synzenbeck Abrasion Resistance on at least one face of the fabric at least 25% greater than the Specific Wyzenbeck Abrasion Resistance on the same face of a greige fabric of the same basis weight and construction made from 100% of the high modulus staple fibers, the warp yarns of said fabric containing at least 15% of the high modulus organic staple fibers and at least 30% of the low modulus organic staple fibers.

Compl. Specn. 43 pages.

Drgns. 2 sheets.

CL : 201 C.

174712

Int. CL : C 08 K 13/00.

A GELABLE COMPOSITION FOR ALTERING WATER PERMEABILITY OF SUBTERRANEAN FORMATION.

Applicant : PHILLIPS PETROLEUM COMPANY OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventor : NAIM ABDUL-KADER MUMALLAH.

Application No. 104/Cal/1990; filed on 05th February, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

A gelable composition for altering the water permeability of a subterranean formation which comprises :

- (a) water ;
- (b) at least one water soluble or dispersible acrylamide-containing polymer ;
- (c) at least one crosslinking agent comprising a polyvalent metal cation ; and
- (d) a cation reactivity-retarding chelating agent which provides anions for chelating said polyvalent metal cation, said chelating agent being a substantially water-soluble dicarboxylic acid containing from 2 to 4 carbon atoms, a substantially water-soluble di- and poly-carboxylic acid containing from 3 to 6 carbon atoms in which a hydrogen atom of the alpha or beta carbon atom is replaced by a hydroxyl group, a substantially water-soluble alpha- or beta ketocarboxylic acid containing from 2 to 4 carbon atoms, a water-soluble salt of the above acids, or a mixture of the above acids or salts ;

wherein said polymer is present in said composition in an amount in the range of 0.01 to 10 weight-%, said polyvalent metal cation is present in said composition in an amount in the range of 0.1 to 60 percent by weight of said polymer, and wherein the molar ratio of the chelating agent to the polyvalent metal cation is from 1 : 2 to 8 : 1.

Compl. Specn. 29 pages.

Drgns. Nil

CL : 32 E-IX(1) ; 39 L-III

174713

Int. CL : C 08 F 32/08.

METHOD OF PRODUCING ELECTRICALLY CONDUCTIVE PIGMENTARY COMPOSITES.

Applicant : KERR-MCGEE CHEMICAL CORPORATION OF KERR-MCGEE CENTRE, OKLAHOMA CITY, OKLAHOMA 73125, UNITED STATES OF AMERICA.

Inventor : RODNEY DAVID STRAMEL.

Application No. 426/Cal/1990; filed on 23rd May, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 18 Claims

A method for producing an electrically conductive pigmentary composite comprising the steps of :

- (a) adding a cyclic monomer material, such as herein described, and a chemical oxidant, such as herein described, to an aqueous slurry of a finely divided pigmentary metal oxide substrate material, such as herein described, said chemical oxidant being suitable for effecting the polymerization of said cyclic monomer material ; and
- (b) allowing said cyclic monomer material to deposit and polymerize on the surface of said metal oxide substrate material to form an electrically conductive polymer adhered to said surface of said metal oxide substrate material ; and optionally adding ; a counter or dopant ion providing material to said aqueous slurry of finely divided pigmentary metal oxide substrate material in step (a) ; and/or an auxiliary

acid for catalyzing the chemical oxidation and polymerization of said cyclic monomer material to said aqueous slurry of finely divided pigmentary metal oxide substrate material is step (a).

Compl. Specn. 21 pages.

Drgns. Nil

Cl. : 50 D

174714

Int. Cl.<sup>4</sup> : B 60 H 1/32 &

B 61 D 27/00.

**A SYSTEM FOR CONTROLLING THE TEMPERATURE OF THE INTERIOR OF A VEHICLE.**

Applicant : TEMPERATURE LIMITED OF DEWAR CLOSE, SEGSESWORTH WEST, FAREHAM, HAMPSHIRE, UNITED KINGDOM.

Inventors : (1) JAMES GILBERT BURLISON, AND (2) ALAN REGINALD LOFTING.

Application No. 524/Cal/1990; filed on 25th June, 1990; (Convention No. 8914423.2; filed on 23rd June, 1989; U.K.)

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims

A system for controlling the temperature of the interior of a vehicle by supplying air through one or more outlets (24, 124) into the interior, characterised in that it comprises a refrigerant circuit (18, 118) which is thermally linked to a second liquid-containing circuit which incorporates liquid/air heat exchanger (19, 152), the refrigerant circuit being located adjacent to either the roof or the floor of the vehicle and the heat exchanger being located adjacent to the other of the roof and floor of the vehicle, and the second liquid-containing circuit comprising pipes (26, 27, 155, 156) to and from the heat exchanger which extend over a substantial part of the height of the vehicle.

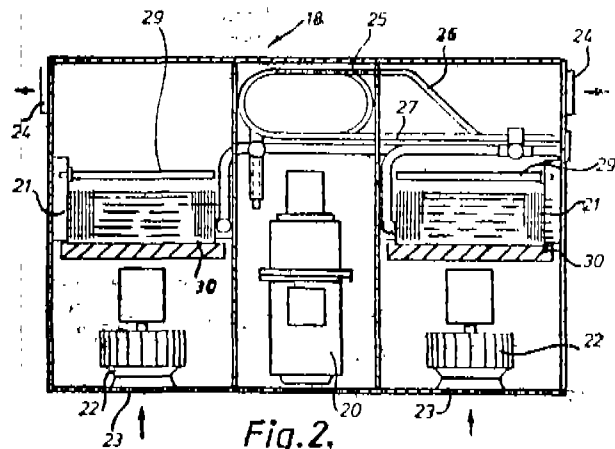


Fig. 2.

Compl. Specn. 14 pages.

Drgns. 4 sheets.

Cl. : 145 F

174715

Int. Cl.<sup>4</sup> : D 21 F 1/78, 5/14.

**A BEARING BLANKET FOR AN EXTENDED NIP PRESS AND METHOD OF MANUFACTURING THE SAME.**

Applicant : BELOIT CORPORATION OF 1 ST. LAWRENCE AVE., BELOIT, WI. 53511 UNITED STATES OF AMERICA.

Inventor : SCOTT ERNEST FILZEN.

Application No. 684/Cal/1990; filed on 08th August, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 15 Claims

A bearing blanket for an extended nip press defined by a shoe and cooperating backing roll for pressing water from a formed web, said blanket comprising :

a woven-base fabric defining a web side and a shoe side ;

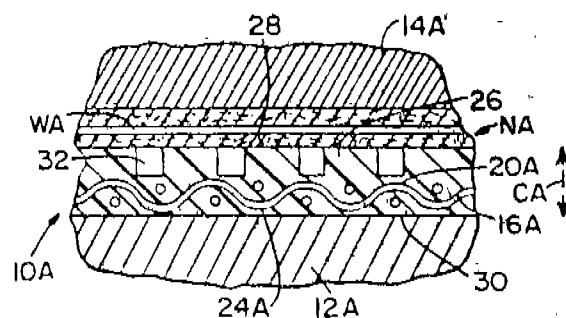
a single liquid impervious urethane layer applied to said web side of said base fabric such that said urethane layer thoroughly penetrates into and through said base fabric so that when said urethane layer is cured, said urethane layer defines a web face and a shoe face ;

said web face being spaced relative to said web side,

said web face defining a plurality of venting means for conveying water pressed from the web away from the extended nip ; and

said shoe face being substantially co-planar with said shoe side of said base fabric such that said shoe face relatively smooth for cooperating with and moving relative to the shoe.

FIG. 2



Compl. Specn. 12 pages.

Drgns. 1 sheet.

Cl. : 93

174716

Int. Cl.<sup>4</sup> : C 30 B 29/00, 1/00;

H 01 C 17/00.

**PROCESS FOR PREPARING PRESSURE SENSING TRANSDUCERS FROM GALENA CONCENTRATE.**

Applicants : (1) METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED OF DORANDA, RANCHI-834002, BIHAR, INDIA. (2) INDIAN INSTITUTE OF TECHNOLOGY OF KHARAGPUR WEST BENGAL, INDIA.

Inventors : (1) PROF. HAR NARAYAN ACHARYA, AND (2) DR. SUCHITANGSHU CHATTERJEE.

Application No. 691/Cal/1990; filed on 09th August 1990.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A process for preparing pressure sensing transducers, from galena concentrate, obtained by beneficiation of galena ore, e.g. by froth-floatation technique to separate galena from rocks and the like, comprising the steps of : die-pressing the galena concentrate powder to obtain elements of desired shape/size ; and

sintering the said elements in a non-oxidizing/non-reducing atmosphere, such as herein described, at preselected duration, such as herein described, so as to achieve the desired properties, such as herein described, in the elements, followed by mechanical cleaning and polishing of the shaped elements.

Compl. Specn. 9 pages.

Drgns. 1 sheet

Cl.: 93

174717

Int. Cl.: C 30 B 29/00, 1/00,  
H 01 C 17/00.

# PROCESS FOR PREPARING PRESSURE SENSING TRANSDUCERS FROM GALENA AGGREGATE.

Applicants: (1) METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED OF DORANDA, RANCHI-834002, BIHAR, INDIA AND (2) INDIAN INSTITUTE OF TECHNOLOGY OF KHARAGPUR WEST BENGAL, INDIA.

Inventors: (1) PROF. HAR NARAYAN ACHARYA, AND (2) DR. SHUCHITANGSHU CHATTERJEE.

Application No. 692/Cal/1990; filed on 09th August, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

A process for preparing pressure sensing transducers from galena aggregate, comprising the steps of:

pulverising and sieving galena aggregate in fine particulate from a preselected size e.g. ranging from +85 to -300 BSS mesh size;

die-pressing the said galena particles to obtain elements of desired shape/size; and

sintering the said elements in non-oxidizing/non-reducing atmosphere, such as herein described, at preselected temperature, such as herein described, and for preselected duration, such as herein described, so as to achieve the desired properties, such as herein described, in the elements, followed by mechanical cleaning and polishing of the shaped elements.

Compl. Specn. 10 pages.

Drgns. 2 sheets

Cl.: 50 D-VII(I)

174718

Int. Cl.: B 01 D 8/00.

# IMPROVED CRYOGENIC SEPARATION OF GASEOUS MIXTURES.

Applicant: STONE & WEBSTER ENGINEERING CORP. OF 224 SUMMER STREET, BOSTON, MA 02107, UNITED STATES OF AMERICA.

Inventor: RICHARD HAROLD MCCUE JR.

Application No. 1045/Cal/1990; filed on 20th December, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 43 Claims

A cryogenic separation process for recovering  $C_2$  hydrocarbons from a hydrocarbon feedstream comprising methane, ethane and ethane, said process comprising ::

a. introducing said hydrocarbon feedstream in a compressed and prechilled state into a dephlegmation zone at cryogenic temperatures in the range of 236 to 270°K;

b. dephlegmating said hydrocarbon feedstream into a primary methane-rich gas stream and a primary liquid condensate stream rich in  $C_{+2}$  hydrocarbon components and containing a minor amount of methane;

c. passing said primary liquid condensate stream to a moderately low cryogenic temperature in the range of 197 to 235°K primary demethanizer unit and separating said primary liquid condensate stream into a  $C_{+2}$  liquid bottoms stream and intermediate methane-rich overhead vapor stream; and

d. further separating said intermediate methane-rich overhead vapor stream from the moderately low cryogenic temperature primary demethanizer unit in an ultra-low temperature in the range of 172 to 196°K final demethanizer unit

operating below about 175 psia to recover a first liquid ethene-rich hydrocarbon product stream and a final demethanizer ultra-low temperature vapor stream; whereby total energy requirements for refrigeration to separate the  $C_{+2}$  hydrocarbon from the  $C_1$  and lighter components are low

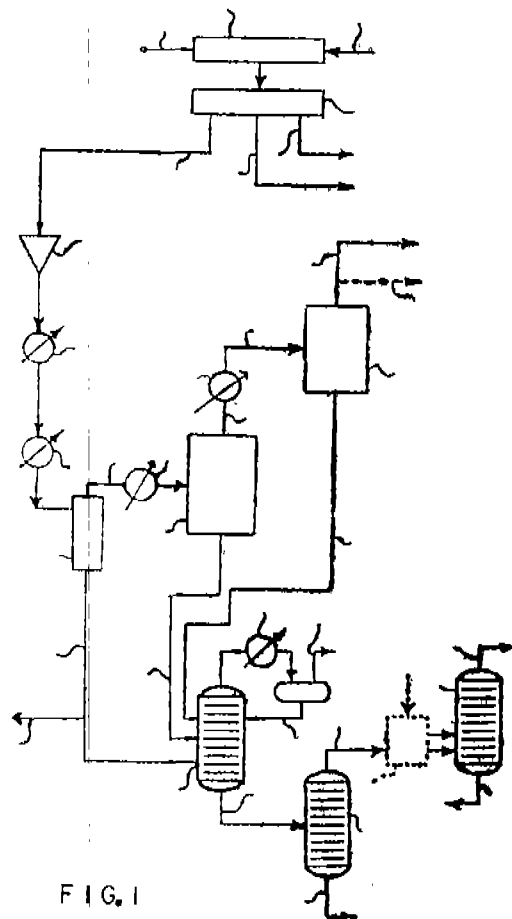


FIG. 1

Compl. Specn. 34 pages.

Drgns. 3 sheets.

Cl.: 195 B &amp; D.

174719

Int. Cl.: F 16 K 15/00; 21/00.

# A VALVE MEMBER FOR A SHUT OFF VALVE.

Applicant: KSB AKTIENGESSELLSCHAFT OF POSTFACH 1725, JOHANN-KLEIN-STRASSE 9, 6710 FRANKENTHAL, GERMANY.

Inventors: (1) MANFRED BARTOSCHEK, AND (2) HANS-GEORG STOCK.

Application No. 302/Cal/1991; filed on 19th April 1991.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A valve member for a shut-off valve having a valve seat arranged obliquely in relation to the axis of the valve stem, the sealing surface of the valve member being frusto-conical, characterized in that the valve member (8 and 11) is formed by a sheet metal body (1), whose attachment means, which is placed on the axis of the valve stem (4), is arranged eccentrically in relation to the axis of the frustococonical surface, the sheet metal body (1) describing an ellipse in relation to the center line drawn perpendicularly to the center contact plane of the valve member (8 and 11), and furthermore a surface (3), which is arranged centrally with respect to the axis of the valve stem (4), serves for the attachment of the valve member (8 and 11) and if necessary has a hole (4), merges with a part (5) which is longitudinal section is stooped and which adjoins a rim (6) bearing the seal

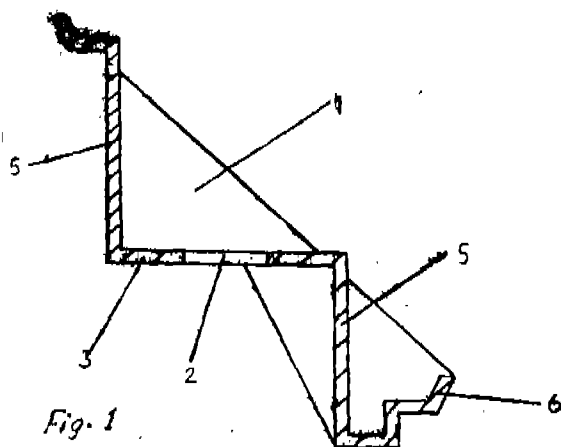


Fig. 1

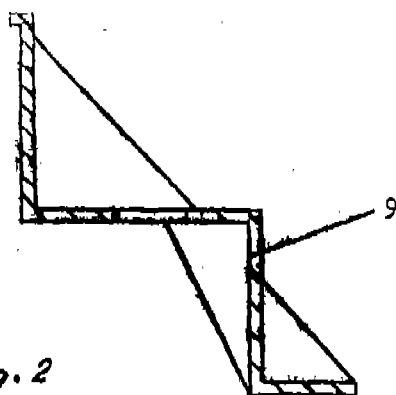


Fig. 2

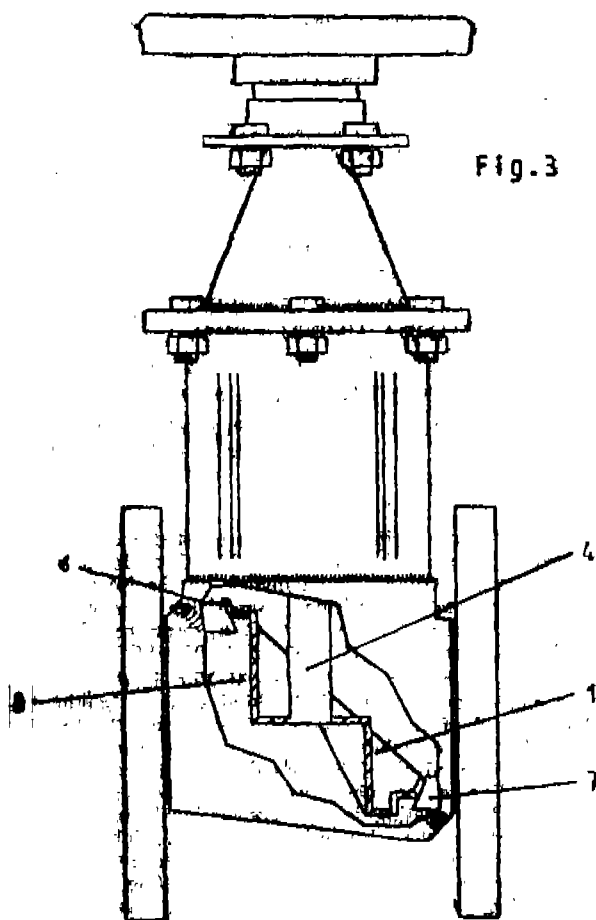


Fig. 3

Cl. : 32 F 2 (4)—JK(1).

174720

Int. Cl.<sup>A</sup> : C 01 D, 263/08.

PROCESS FOR THE PREPARATION OF THE NOVEL 2-OXO-1-OXA-3, 8-DIAZASPIRO [4, 5] DECANE DERIVATIVES.

Applicant : RICHTER GEDEON VEGYESZETI GYAR RT. OF 1475 BUDAPEST, GYOMROI UT 1921, HUNGARY.

Inventors : (1) EDIT TOTH CHEM. ENG. (2) JOZSEF TORLEY CHEM. ENG. (3) DR. BELA HEGEDUS CHEM. ENG. (4) DR. LASZLO SZPORNÝ PHYSICIAN. (5) BELA KISS BIOLOGIST, (6) DR. EVA PALOSI PHYSICIAN. (7) DR. DORA GROO PHYSICIAN. (8) DR. ISTVAN LAZLOVSKY PHARMACIST, (9) DR. ERZSEBET LAPIS CHEM. ENG. (10) FERENC AUTH CHEMIST, (11) DR. LASZLO GAAL BIOPHYSICIST.

Application No. 899/Cal/1991; filed on 16th September 1991.

(Divided out of No. 688/Cal/90; antedated to 9-8-90).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

# 1 Claim

A process for the preparation of the novel 2-oxo-1-oxa-3, 1-diazaspiro [4, 5] decane derivatives of the formula (I) of the accompanying drawings wherein

R stands for hydrogen; a C<sub>1-12</sub> alkyl; C<sub>3-8</sub> cycloalkyl; carbocyclic C<sub>6-10</sub> aryl or carbocyclic C<sub>4-10</sub> aryl-C<sub>1-4</sub> alkyl group, the two letter ones being optionally substituted on their aromatic part by one or more, same or different halogen(s), one or more C<sub>1-4</sub> alkyl, C<sub>1-4</sub> alkoxy or trihalomethyl group(s); or a tosyl group;

R<sup>1</sup> and R<sup>2</sup> together represent a methylene group, one of R<sup>1</sup> and R<sup>2</sup> stands for a hydroxyl group and the other one for a methyl group; and

R<sup>3</sup> means hydrogen, benzyl, (C<sub>1-4</sub> alkoxy) carbonyl, phenoxycarbonyl, benzyloxycarbonyl, formyl, piperidin-1-yl-carbonyl, morpholin-4-yl-carbonyl, 4-methyl-piperazin-1-yl-carbonyl, 4-(2-hydroxyethyl) piperazin-1-yl-carbonyl, 2-chloro-3-oxo-1-phenyl carbamoyl or C<sub>1-6</sub> alkylcarbamoyl group.

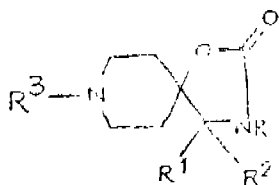
as well as their acid Addition and quaternary ammonium salts, which comprise reacting a compound of the formula (1A) wherein R<sup>3</sup> is as defined above and R<sup>1</sup> and R<sup>2</sup> together form a methylene group, with an amine of the formula R-NH<sub>2</sub>, where in R is as defined above at a temperature of between room temperature and the boiling point of the reaction mixture and optionally in the presence of a solvent such as herein described to obtain compound of the formula (1), wherein one of R<sup>1</sup> and R<sup>2</sup> is hydroxyl and the other one is methyl and, if desired,

(i) the compound of the formula (1) thereby obtained is dehydrated under normal or reduced pressure by the aid of a known dehydrating agent preferably in an inorganic solvent, to a compound of the formula (1) containing a methylene group as R<sup>1</sup> and R<sup>2</sup> and

(ii) in order to prepare compounds of the formula (1) containing a hydrogen atom as R<sup>3</sup> a corresponding benzylated product is debenzylated in a known manner by a reductive cleavage, preferably catalytic hydrogenation in an inert solvent at a temperature between 20°C and the boiling point of the reaction mixture, and/or

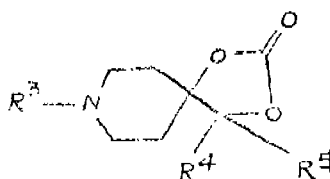
a compound of the formula (1) obtained as a free base is converted into a salt by acidic treatment and/or a compound of the formula (1) obtained as a salt is converted into a free

base by treatment with a base and/or converting a compound of the formula (I) into a quaternary ammonium salt.



FORMULA (I)

Compl. specn. 35 pages



FORMULA (IA)

Drg. 1 sheet.

Ind. Cl.: 154 F.

174721

Int. Cl.: B 41 F 15/08.

#### A SCREEN PRINTING MACHINE.

Applicant: RAMESH RANA, S/O SHRI HANS RAJ RANA, OF WZ-150, CHAND NAGAR, NEW DELHI-110018, AN INDIA, INDIAN NATIONAL.

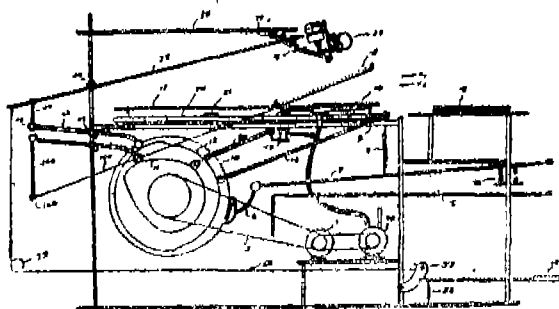
Inventor: RAMESH RANA.

Application for Patent No. 111/DEL/88. Filed on 10 Fe. 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

#### 11 Claims

A screen printing machine comprising a drive means such as to be driven by a prime mover for imparting an angular movement to the screen with respect to a table movably supported on a frame, characterised in that the drive means consists of a pulley, an idle pulley and a flywheel mounted on a shaft driven by said prime mover, such as a motor, a first cam having a first cam follower being provided with said flywheel, a fulcrumed lever connected to said cam follower, said table having a linear to and fro movement by said drive means being provided with a substrate support, said screen pivotally supported on said table having an angular movement by said drive means, a carriage having a squeeze means and ink docket pivotally held to said frame and having an angular movement by said drive means.



(Comp. Specn. on pages 14

Drg. sheets 2)

Ind. Cl.: 40+77C+D

174722

Int. Cl.: C 11 B 11/00,

C 11 C 1/10, 3/14.

A METHOD FOR PRODUCING A LUBE OIL BASE STOCK OR BLENDING STOCK OF IMPROVED DAYLIGHT STABILITY.

Applicant: EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF P.O. BOX 390, FLORHAM PARK, NEW JERSEY 07932, U.S.A.

Inventor:

1. IAN ALFRED CODY.
2. GLEN PORTER HAMNER.
3. DONALD THOMAS EADIE.
4. JOHN MACKILLOP MACDONALD.

Application No. 1098/DEL/88 filed on 13-12-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 6 Claims

A method for producing a lube oil base stock or blending stock of improved daylight stability comprising the steps of hydroisomerizing wax in a wax isomerization unit under hydrorefining conditions to produce a liquid product, mildly hydrorefining the total liquid product produced in the wax isomerization unit, said mild hydrorefining being practiced at a temperature of 170 to 270 C, a flow velocity of 0.25 to 10 V/V/hr., a pressure of 300 to 1500 psi H<sub>2</sub> and a hydrogen gas rate of 500 to 10,000 SCF/B using a catalyst selected from Group VIII metal halogenated on refractory metal oxide,

fractionating said mildly hydrorefined total liquid product to yield a lube oil fraction and

dewaxing said lube oil fraction to recover a lube oil base stock or blending stock of improved daylight stability.

(Comp. Specn. 46 pages

Drg. 2 sheets)

Ind. Cl.: 77 E+140 B

174723

Int. Cl.: C 10 G 65/00.

C 11 C 3/14

METHOD FOR ISOMERIZING WAX TO LUBE BASE OILS.

Applicant: EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF P.O. BOX 390, FLORHAM PARK, NEW JERSEY 07932, U.S.A.

Inventor:

1. IAN ALFRED CODY.
2. JAMES DAVID BELL.
3. THEODORY HARVEY WEST.
4. BIDDANDA UMESH ACHIA.
5. WILLIAM AUGUSTINE WACHTER.

Application No. 1099/DEL/88 filed on 13-12-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 17 Claims

A process for producing lube oil base stocks or blending stock having a pour point of about 21 C or lower and a viscosity index of about 130 and higher, by the isomerization of wax said process comprising isomerizing the wax at a temperature between 270 to 400 C, a pressure of 500 to 3000 psi H<sub>2</sub>, a gas rate of 1000 to 10,000 SCF/b, and a pace velocity in the range 0.4 to 10 V/Vhr. in the presence of an isomerization catalyst of the kind such as herein described to a level of conversion such that between 15 to 35% unconverted wax, calculated as (unconverted wax)/(unconverted wax+dewaxed oil) XI00 remains in the fraction of the somerate boiling in the lube boiling range sent to the dewaxing unit fractionating in any conventional manner. the total product from the isomerization into a lube fraction boiling in the lube boiling range and solvent dewaxing said fraction and recovering a lube oil product having a viscosity index of at least 130 and a pour point of at least 21°C.

Comp. Specn. 17 pages

Drg. 3 sheets



Ind. Cl.: 172 B

174724

Int. Cl.: B 21 H 7/22

# A CAP SPINNING MACHINE.

Applicant: MASCHINENFABRIK RIETER AG., OF KLOSTERSTRASSE 20, CH-8406 WINTERTHUR, SWITZERLAND.

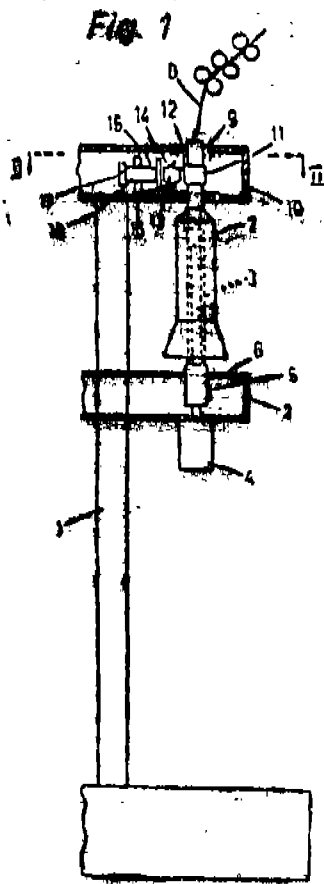
Inventors: LOUIS VIGNON.

Application for Patent No. 170/DEL/89 filed on February 21, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 6 Claims

A cap spinning machine having a series of rotatable spindles, each of said spindles being associated with a cap thread guide member rotatable about the axis of said spindle, a first drive belt connected to said spindle for providing rotation, a second belt contacting whorls mounted on said thread guide members, by a device characterised in that said device comprises pressure elements contacting said second belt and urging said belt during operation against each of said whorls with an adjustable force so that the belt whorls, by means of friction, a small braking force on the whorl running faster than the belt, said device being shiftable between two end positions, one of said end positions being that of a minimum force and other position being that of maximum force when said device is switched over so as to press the second belt against the whorls with substantially greater force when said machine is shut off, thereby rapidly braking said thread guide members concomitantly with said whorl.



(Compl. Specn. 12 pages;  
2-497 61/94

Drwg. 1 sheet)

Ind. Cl.: 32 E, 40 B

174725

Int. Cl.: C 08 F 4/00, 4/06

# METHOD OF PREPARING A SILICA GEL SUPPORTED METALLOCENE ALUMOXANE CATALYST.

Applicant: EXXON CHEMICAL PATENTS, INC., OF 1900 EAST LINDEN AVENUE, LINDEN, NEW JERSEY 07036, U.S.A.

Inventor: MAIN CHANG.

Application for Patent No. 248/DEL/89 filed on 15 Mar. 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 11 Claims

A process for preparing a supported metallocene alumoxane catalyst for polymerization of olefins, comprising the steps of:

- adding a water-impregnated catalyst support such as herein described to a stirred solution of an aluminum trialkyl in an amount sufficient to provide a mole ratio of aluminum trialkyl to water of from 10:1 to 1:1 and allowing the mixture to react; and
- adding a metallocene such as herein described to the reacted mixture in an amount sufficient to provide a mole ratio of aluminum to transition metal of from 1000:1 to 1:1.

(Compl. Specn. 25 pages

Drwg. Sheets 2/2)

Ind. Cl.: 127

174726

Int. Cl.: F16J 15/06

# DEVICE FOR SEALING THE CONTACT ZONE.

Applicant: MANNESMANN AKTIENGESELLSCHAFT.

Inventors: HANS-JURGEN JANICH.

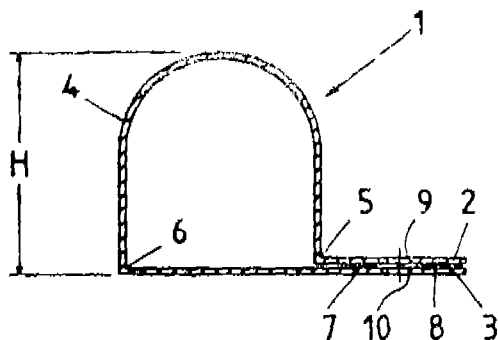
Application for Patent No. 269/Del/89 filed on 23rd March 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 12 Claims

Device for sealing the contact zone between a movable equipment part and fixed equipment part, particularly between a movable a shut-off element (14) of a pipe and a stationary seat (11), said device comprising at least one sealing element (1) of having an elongated spring steel strip, said sealing element two flat long edge regions (2, 3) and a zone (4) disposed between said two flat long edge regions said zone being curved at right angles to the longitudinal direction of said spring steel strip, and which in the closed position of the movable part of the equipment rests resiliently with a part of its curved zone on an opposing surface and a clamping means (12, 13) connecting two long edge regions (2, 3) of the sealing elements; said sealing element (1) having at least one bead (5) between one of said long edge regions (2) and the curved zone (4), with said long edge

regions (2, 3) lying one above the other and pointing towards the same side.



(Comp. Specn. 14 pages;

Drwg 5 sheets)

Ind. Cl.: B 23 B 41/00.

174727

Int. Cl.: 129c

**MACHINE FOR OPENING THE TAPHOLE OF A SHAFT FURNACE.**

Applicant PAUL WURTH S.A., A COMPANY ORGANISED UNDER THE LAWS OF LUXEMBOURG, OF 32 RUE D'ALSACE, L-1122 LUXEMBOURG, GRAND-DUCHY OF LUXEMBOURG.

Inventor: SEVERINO VENTURINI, JEAN METZ, AND PIERRE MAILLET.

Application for Patent No. 282/DEL/89 filed on 27 March 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 7 Claims

A machine for opening the taphole of a shaft furnace, comprising a mount having a front and a rear end, said front end being disposed in front of the shaft furnace during the opening of said taphole and said mount being attached to the free end of a pivoting support arm;

a carriage slidably displaceable on said mount and carrying percussion device for conventional drilling by means of a bit and for producing longitudinal motion for introducing a drill rod in the taphole or to extract a drill rod which is left in the taphole between two successive pourings, said drill rod being connected to the percussion device by a coupling chuck so that said drill rod extends parallel to the longitudinal axis of said mount in the direction of said front end of the mount;

a head having the shape of a frustum of a pyramid, said head being secured on said mount for guiding and supporting the drill rod at the front end of the mount;

a frame having a front support block and a rear support block, both slidably installed on the mount and linked together by at least one rod, said rod being parallel to the axis of said mount, and said front support block being installed on the side of the front end of the mount;

said machine being characterised in that said head is mounted slidably on said mount between said carriage and said front end of the mount, said slidable frame being displaceable between said front end and said rear end by means of said carriage, said head having at least one hook, said hook being mounted pivotably on said head and having first and second catch slots located opposite to each other, said hook being pivotable between a first and a second catch position wherein said first catch position said hook is capable of being secured to a first catch bar mounted on said front

support block of said frame and in said second catch position said hook is capable of being secured to a second catch bar mounted on said front end of said mount.

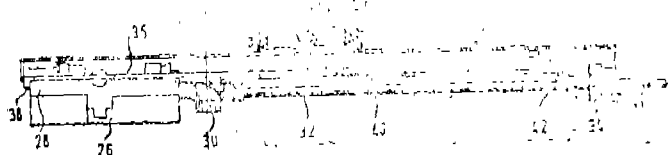


Fig. 1

(Comp. Specn. 11 pages

Drwg. 8 sheets)

Ind. Cl.: 128 G

174728

Int. Cl.: C 12 M 1, 12.

**AN AUTOMATED CYTOLOGICAL SPECIMEN CLASSIFIER.**

Applicant: NEUROMEDICAL SYSTEMS, INC., OF 128 WEST MAPLE AVENUE, MONSEY, NEW YORK 10952, U.S.A.

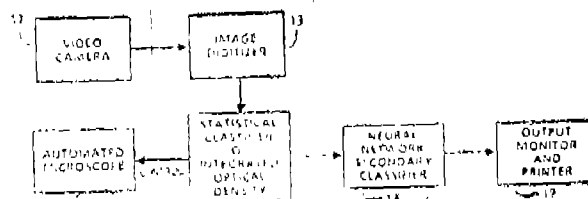
Inventors: MARK RICHARD RUTENBERG.

Application for Patent No. 295/DEL/89 filed on 30 April 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 5 Claims

An automated cytological specimen classifier, comprising a microscope for obtaining an optical view of at least part of a cytological specimen, a camera fixed to said microscope and positioned with respect to said microscope to directly receive said optical view from said microscope and to create an image of said view, an image digitizer electrically connected to said camera to receive the image created by said camera and to obtain a digital representation of such image, characterised by a primary statistical classifier electrically coupled to said image digitizer for receiving said digital representation from said image digitizer and detecting from the digital representation objects such as herein described which exhibit characteristics representative of a pre-malignant or malignant cell, and a secondary adaptive classifier electrically coupled to said primary classifier for receiving digital representation of the objects detected by the primary classifier and distinguishing therefrom pre-malignant and malignant cells, said secondary adaptive classifier effecting such distinguishing as a function of the operation thereof.



(Comp. Specn. 17 pages

Drwg. 2 sheets)

Ind. Cl. : 144 A, B

174729

Int. Cl.<sup>4</sup> : C 09 D 3/48.**A PROCESS FOR THE MANUFACTURE BY FLAME SPRAYING OF A SOLID OBJECT COATED WITH A POLYMERIC MATERIAL.**

Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDT LAAN 30, 2596 HR THE HAGUE, THE NETHERLANDS.

Inventor: ERIC RICHARD GEORGE.

Application for Patent No. 311/DEL/89 filed on 4th April 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

**9 Claims**

A process for the manufacture by flame spraying of a solid object of the kind described herein coated with a polymeric material characterised in that a powder having a particle size of 0.15 to 0.85 mm comprising a linear alternating polymer of carbon monoxide and at least one ethylenically unsaturated compound, which polymer is represented by the formula :

wherein B is the moiety of an ethylenically unsaturated hydrocarbon of at least 3 carbon atoms and x and y are integers with the ratio of y : x being no more than 0.5.

said linear alternating polymer having a limiting viscosity number of 0.5—1.8 (as measured at 60°C in m-cresol), is heated to substantially melt the powder and constitute said polymeric material which is thereafter propelled onto the surface of the solid object.

(Comp. Specn. 14 pages;

Drwg. 0 sheet)

Ind. Cl. : 40 F, 15 2 D

174730

Int. Cl.<sup>4</sup> : C 09 C 3/10.**A CONTINUOUS METHOD FOR THE MANUFACTURE OF MICRONISED MINERAL PARTICLES PRODUCED WITH A COATING OF FATTY ACID SUCH AS A STEARIC ACID.**

Applicant/Inventor: GEORGES BAZANTE, OF 17 RUE JEANNE D'ARC 60410, VERBERIE, FRANCE AND FAYSAL ABSI, OF RUE BEZEM, MALKI BP. 11414, DAMAS, SYRIA.

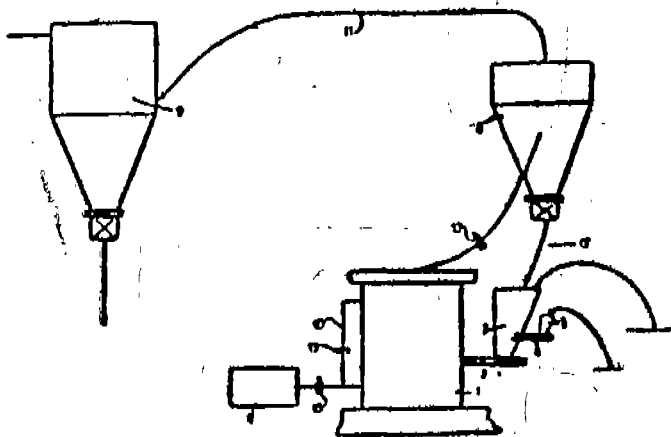
Application for Patent No. 517/DEL/89 filed on June 14, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

**7 Claims**

A continuous method for the manufacture of micronized mineral particles provided with a coating of fatty acid such as stearic acid which comprises mixing together moist coarse sized mineral particles and solid fatty acid, the particles of said mineral and said fatty acid being of a size smaller than 1 cm; subjecting the moist mixture so formed to ultraline micronized grinding in a grinding zone in the presence of a swirling stream of hot air at a temperature of from 70°C whereby substantially simultaneously said moist mineral

particles are dried very rapidly and the dried particles are comminuted to an increasingly small grain size, said solid fatty acid melts and the liquified acid makes contact with the comminuted mineral particles to form a homogenous mass under the action of the micronized grinding whereby each mineral particle acquires a coating of fatty acid; characterised in that a portion of the swirling hot air stream within said grinding zone is withdrawn therefrom, subjected to additional heating and reintroduced into said grinding zone in order to maintain the temperature thereof constant, the remainder of said hot air stream in which said coated micronized particles are entrained being led out of said grinding zone and separated into a first stream containing larger coated micronized particles and a second stream containing finer coated micronized particles, said first stream containing larger micronized particles being recycled to said grinding zone to provide additional heat thereto and to subject said larger coated particles to further grinding, the finer coated micronized particles in said second stream being recovered therefrom and stored.



(Comp. Specn. 13 pages

Drwg. 1 sheet)

Ind. Cl. : 48-A.

174731

Int. Cl.<sup>4</sup> : B 65 H 49/20.**AN APPARATUS FOR REELING OR UNREELING A CABLE OR THE LIKE.**

Applicant: NOKIA-MAILLEFER HOLDING S.A., OF ROUTE DU BOIS, CH-1024 ECUBLENS, SWITZERLAND, A SWISS COMPANY.

Inventor: VESA JAASKELAINEN.

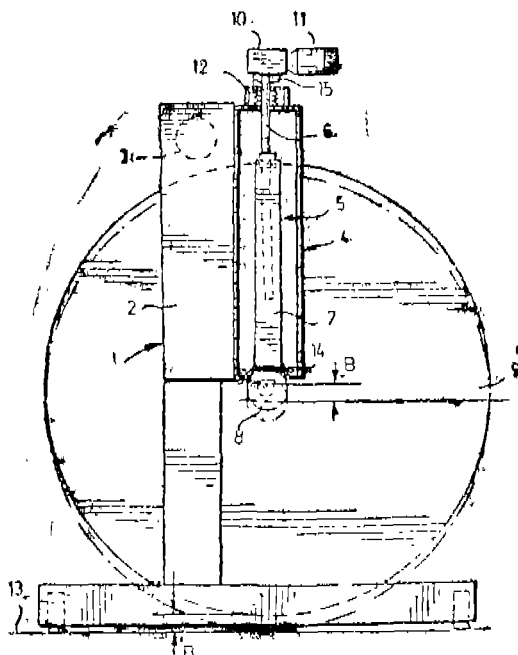
Application No. 443/MAS/90 filed on June 5, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**5 Claims**

An apparatus for reeling or unreeling a cable or the like comprising a frame (1), two supports (4) mounted vertically immovably on the frame, said supports being horizontally movable towards and away from each other in accordance with the axial width of a reel (9), a suspending arm (5) mounted in each support, said suspending arm being provided at the lower end with a gripping means (8) for gripping a centre of the reel and arranged displaceably in vertical direction with respect to the support over a distance corresponding to the sum of a height difference (A) between the centre of a largest reel (9') and the centre of a smallest reel (9'') and a lifting distance (B) of the largest reel (9'), and power means (10, 11) to vertically displace the suspending arms, characterized in that each stationary support (4) comprises an abutment (14) which in an uppermost position of the suspending arm (5) supports the suspending arm rigidly to the frame through the support, and that each suspending arm (5) is supported to the stationary support by means of a spring member (12) which in a lowered gripping position of

the suspending arm allows a flexible movement of the suspending arm with respect to the support in the axial direction of the suspending arm and a horizontal swinging movement in a plane perpendicular to the axis of the reel.



(Comp. 15 pages)

Drwgs. 3 sheets).

Ind. Cl.: 129-B

174732

Int. Cl.<sup>4</sup>: B 21 C 1/00.

METHOD OF MAKING AN AMORPHOUS METAL WIRE FROM AN AMORPHISABLE METALLIC ALLOY AND AN APPARATUS FOR THE SAME.

Applicant: COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN-MICHELIN & CIE, OF 12, COURS SABLON, 63040 CLERMONT-FERRAND CEDEX, FRANCE, A FRENCH COMPANY.

Inventors:

- (1) DENIS BUAOUI.
- (2) GERARD DUCHEFDELAVILLE.
- (3) GUY JARRIGE.

Application No. 679/MAS/89 filed September 13, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

#### 20 Claims

A method of making an amorphous metal wire from a metallic alloy such as herein described comprising the steps of producing a jet of molten metal alloy through a nozzle, contacting the said jet of molten alloy with a gas capable of reacting with at least one of the components of the said molten alloy, forming a layer around the jet of molten alloy to stabilise the same thereby preventing disintegrations and drop formation, introducing the said stabilised jet of molten alloy into a cooling liquid such as herein described to obtain an amorphous wire of metallic alloy wherein the distance traversed by the jet of molten alloy between the nozzle and the cooling liquid is maintained at least more than 1 cm.

(Com: 24 pages)

Drwgs. 4 sheets)

Ind. Cl.: 205 B

174733

Int. Cl.<sup>4</sup>: B 29 C 35/02.

#### A TYRE RETREADING MACHINE.

Applicant & Inventors: 1. AUGUSTINE THOMSON, 2. TOMY THOMPSON AND 3. JOHNYKUTTY THOMPSON, POOMANGALAM, VAZHOOR (E), P.O: 686504, KOTTAYAM DISTRICT, KERALA, INDIA, ALL INDIAN NATIONALS.

Application No. 746/MAS/89 filed on 12 October 1989.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch

#### 4 Claims

A tyre retreading machine comprising a main supporting frame; a tyre mould having two split, hinged halfsections, one such halfsection being fixed to the frame; electric heating elements embedded in the outer periphery of the mould and electrically insulated therefrom, the interior of the mould being provided with full circle tread-pattern matrices; two doors mounted on the frame on either side of the mould, each door carrying a half-section of a drum for supporting the tyre in the mould in the closed position of the doors; a control panel mounted on the frame and comprising a thermostat, a variable timer, input and output electrical connectors to the heating elements and operating switches therefor.

(Comp. Spec. 12 sheets

Drwgs. 2 sheets)

Ind. Class.: 195-C

174734

Int. Cl.<sup>4</sup>: F 16 K 39/02.

G 05 D 16/00.

#### AN IN-LINE PRESSURE REGULATOR.

Applicant: FLUID TECHNOLOGY (AUST) LTD., A COMPANY INCORPORATED IN THE STATE OF WESTERN AUSTRALIA, OF 17 PEARSON WAY, OSBORNE PARK, IN THE STATE OF WESTERN AUSTRALIA, COMMONWEALTH OF AUSTRALIA.

Inventor: KENNETH JOHN DAVEY

Application No. 140/MAS/90 filed February 22, 1990.

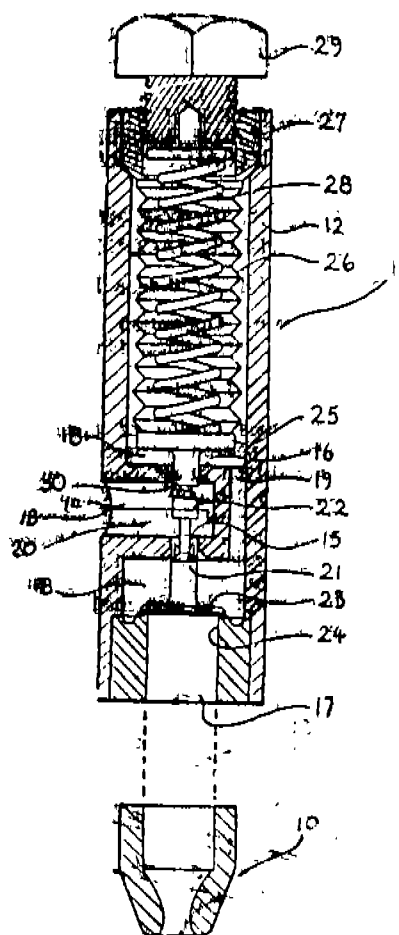
Convention date: February 27, 1989.

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 4 Claims

An in-line pressure regular comprising a housing having an inlet and an outlet, said housing providing a first chamber open to the inlet and having a first port open to a second chamber, a second port opening to the second chamber, the second chamber having a third port opening to the outlet, a support element movably received within the first and second chambers and accommodating a set of three valve members wherein a valve member is associated with each port; the support element being movable within the first chamber to vary the extent of engagement of the valve members with the first and second ports, said support element being biased to an end position at which the first and second ports are open, and the third port is close, said support element supporting a pressure surface in the secondary chamber whereby the force exerted by fluid pressure in the secondary chamber on the support element counteracts the biasing force applied thereto to move the support element from its end position to a regulating position where the first and second valves are moved proximate the first and second ports to vary the degree of opening of the

ports in accordance with the fluid pressure applied at the inlet.



(Com.—46 pages

Drawg.—5 sheets)

Ind. Cl.: 195 C

174735

Int. Cl.: F 16 K 3/00.

B 65 G 53/56.

#### ROTARY SLIDE VALVE SWITCH.

Applicant: AVT ANLAGEN-UND VERFAHRENS-TECHNIK GmbH, OF BIRKENWEG 4, 7987 WEINGARTEN, FEDERAL REPUBLIC OF GERMANY A GERMAN COMPANY.

Inventor: KRAMER WOLFGANG.

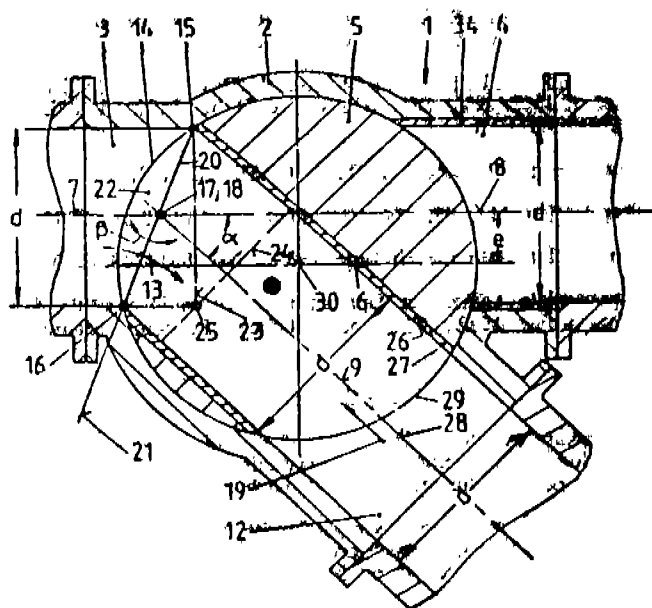
Application No. 470/MAS/90 filed on 14th June, 1990.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

8 claims

Rotary slide valve switch comprising a valve plug (5) disposed in a stationary casing (2) and having a through passage cross-section (6) for connecting a first valve casing duct (3) with a second valve casing duct (4) aligned with the first and for connecting the first valve casing duct (3) with a third valve casing duct (12) branching at an angle from the first valve casing duct (3) when the rotary plug (5) is rotated, wherein in all the through-flow positions of the rotary valve, the passage cross-sections of the three valve duct (3, 4, 12) and the passage cross-section of the rotary plug (5) are approximately equal forming a plane, elliptical intersection face (20) between the first valve casing duct (3) and the through bore (6) of the rotary plug

(5) when the rotary plug (5) is switched through the branching angle ( $\alpha$ ) from the through longitudinal central axis (7, 8), the casing bore (3) of the rotary valve and the through bore (6) of the valve plug forming a common pipe elbow.



(Complete specification : 47 pages;

Drwg. : one sheet)

Ind. Cl.: 40 A1

174736

Int. Cl.: B 01 J 12/00.

#### AN IMPROVED AMMONIA SYNTHESIS REACTOR.

Applicants: AMMONIA CASALE S.A. OF VIA DELLA POSTA 4; CH-6900 LUGANO, SWITZERLAND AND UMBERTO ZARDI, OF VIA LUCINO 57; CH-6932 BREGANZONA, SWITZERLAND, BOTH ARE OF SWISS NATIONALITY.

Inventors: GIORGIO PAGANI  
UMBERTO ZARDI

Application No. 901/MAS/89 filed on 7th December, 1989.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch Madras.

4 claims

An improved ammonia synthesis reactor comprising two upper catalyst beds contained within substantially annular shaped catalyst baskets having a substantially centrally located opening; a lower catalyst bed contained in a third catalyst baskets which substantially fills a lower half of the reactor; means for directing gas flow radially or axially-radially in each of the two upper catalyst beds and the lower catalyst bed; and a heat exchanger having means for indirect cooling of gas flowing between the two upper catalyst bed, and the lower catalyst bed, the heat exchanger being located in the substantially centrally located openings and extending substantially coextensive within both of the two upper catalyst beds.

(Complete specification : 9 pages;

Drwg.: 2 sheets.)

Ind. Class. 194 C 9

174737

Int. Class. B 24 B 9/16

"AN APPARATUS AND A METHOD FOR SORTING A SET OF CRYSTALS HAVING NO MISORIENTATION FROM A PLURALITY OF CRYSTALS"

Applicant : GERSAN ESTABLISHMENT A LIECHTENSTEIN COMPANY, OF STATEDTLE 36 9490 VADUZ LIECHTENSTEIN.

Inventor : MICHAEL PETER GAUNROGER.

Application No. 472/Mas/89 filed on 16th June 1989.

Convention date : 16th June 1988. No. 8814343 (U.N.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) The Patent Office Branch, Madras-600 002.

### 20 Claims

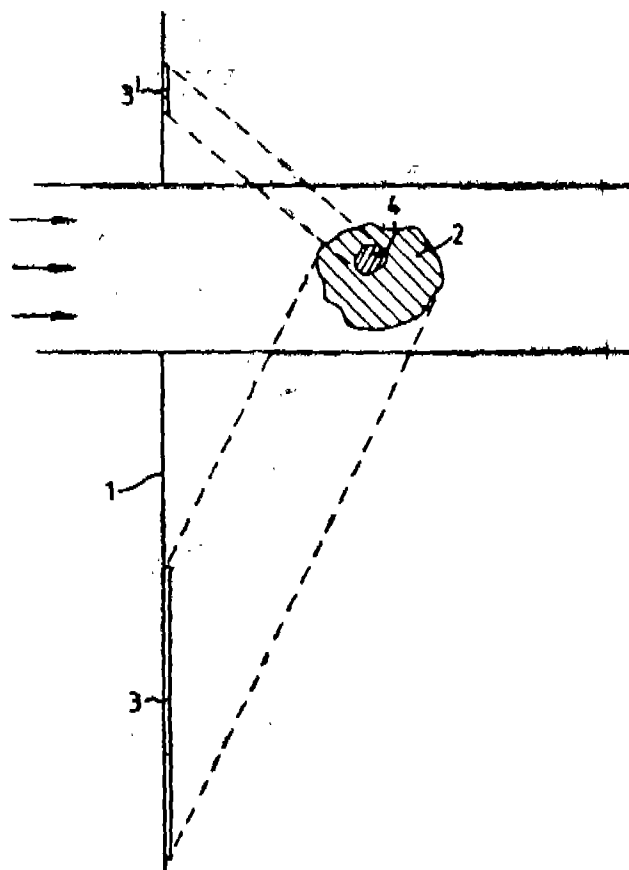
An apparatus for sorting a set of crystals having no mis-orientation from a plurality of crystals by determining the existence of any mis-orientation in each crystal, comprising :

means for irradiating the crystal with a beam of substantially parallel X-rays of such an energy that the X-rays penetrate at least half way through a portion of the crystal being examined ;

means for mounting the crystal without pre-orientating any crystallographic plane of the crystal with respect to the axis of the X-rays;

means for imaging X-rays received from the crystal to thereby form a plurality of effectively angularly-separated images; and

means for examining said images to thereby determine the existence of any misorientation.



Compl. Specn. 33 pages

Drgs. 11 sheets

Ind. Class-33-A

174738

Int. Cl.-B 22 D 11/06

METHOD AND DEVICE FOR CONTINUOUS CASTING OF METALS BETWEEN ROLLS

Applicant : INSTITUTE DE RECHERCHES DE LA SIDERURGIE FRANCAISE (IRSID EN ABREGÉ) OF IMMEUBLE FLYSEES-LA-DEFENSE-19, LA PARVIS-LA-DEFENSE 4-92800 PUTEAUX (FRANCE), A FRENCH NATIONAL.

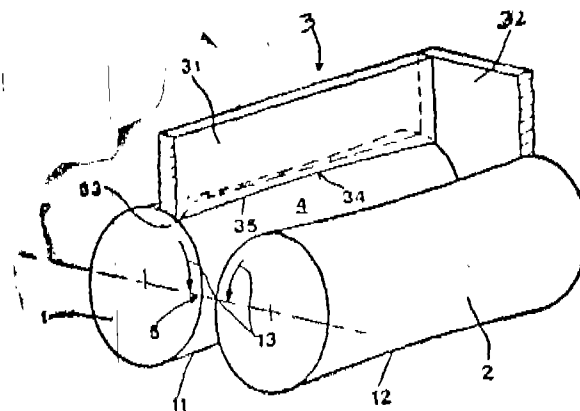
Inventors : (1) PAUL VICTOR RIBOUD  
(2) JEAN-LUC JACQUOT

Application No. 517/MAS/90 filed June 26, 1990.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 7 Claims

Method for continuous casting of metals between rolls wherein liquid metal is poured between two rolls which have parallel axes and are driven in rotation in opposite directions the walls of which rolls are cooled, characterized in that it comprises employing at least one roll whose generatrix is curvilinear in the hot state and whose diameter is slightly smaller in its axially median part than toward its ends, and maintaining the metal in contact with the wall of said roll on an area which is longer in said median part than toward said ends of said roll.



(Com. Specn. 16 pages;

Drg. 1 sheet)

Ind. Class-155-D

174739

Int. Cl.-B 29 C 55/18

METHOD AND APPARATUS FOR PRODUCING FLAT STRIP HAVING STRONG MOLECULAR OBLIQUE ORIENTATION BY HELICALLY CUTTING A FLEXIBLE TUBULAR FILM INTO A FLAT STRIP.

Applicant : OLE BENDT RASMUSSEN, A DANISH CITIZEN, OF FORCHWALDSTRASSE 23, CG-6318 WALCHWIL, ZUG, SWITZERLAND.

Inventor : OLE BENDT RASMUSSEN.

Application No. 570/MAS/89 filed August 1, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 12 Claims

A method of producing flat strip having strong molecular oblique orientation by helically cutting a flexible tubular film into a flat strip comprising supplying the tubular film from a supply source to a first position in a flattened tubular form, advancing from said first position to an expansion zone where it is expanded from said flattened form into generally cylindrical tubular form, passing axially the expanded tubular film over an elongated mandrel, and helically cutting into a

flat strip while it is on the mandrel removing said flat strip from the mandrel, wherein the expended tubular film is out in a cutting zone that has a fixed location relative to the mandrel axis, the film supply source is in the form of a reel of said film upstream of said first position, said reel being rotatable about its longitudinal axis with said axis being fixed and generally coaxial with the axis of said mandrel, and the film is withdrawn from the reel periphery and then advanced from the said reel to said first position substantially axially of the reel.

(Com.-28 pages)

Ind. Class. 194 C 5

174740

Int. Class. H 01 J 7/18

AN EVAPORABLE GETTER DEVICE FOR MOUNTING IN AN ELECTRON TUBE.

Applicant : SAES GETTERS S P A AN ITALIAN JOINT STOCK COMPANY OF VIA GALLARATE, 215/217 MILLANO, ITALY.

Inventor : PAILO BELIA PORTA, AN ITALIAN CITIZEN, OF STRADA PRIV. DELIA ACACIE, 13 FAGIANA-CARIMATE (COMO) ITALY.

Application No. 787/Mas/90 filed on 5th Oct, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, Madras-600 002.

#### 6 Claims

An evaporable getter device for mounting in an electron tube comprising :

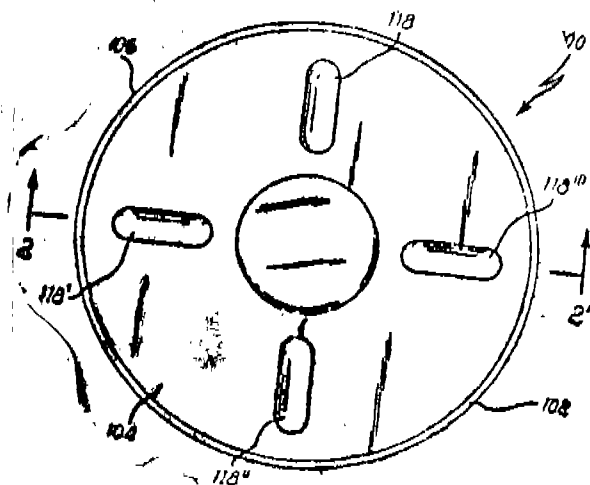
(A) A holder for supporting an evaporable getter metal vapour releasing material, said holder comprising :

- (i) a vertical outer side wall,
- (ii) a vertical inner side wall, and
- (iii) a bottom wall joining said inner side wall and said outer side wall,

said bottom wall provided with means for preventing detachment of the getter metal vapour releasing material from the holder; and

(B) an evaporable getter metal vapour releasing material supported by said holder and pressed into the space defined by said inner, outer and bottom walls, said getter vapour releasing material comprising an upper surface; and

characterized by also comprising a plurality of heat transfer retarding means in said upper surface, adapted to delay the transfer of heat in a circumferential direction through the getter metal vapour releasing material when the getter device is heated by currents induced from a RF field created by a coil positioned outside the electron tube.



(Compl. Specn. 10 pages)

Drgs. 3 sheets)

#### CLAIM UNDER SECTION 20(1) OF THE PATENT ACT, 1970

The Claim made by HANS CETIKER AG, MASCHINEN-UND APPARATEFABRIK, Switzerland has been allowed under Section 20(1) of the Patents Act, 1970, in respect of Patent Application No. 173112.

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the Patent Office, Calcutta, and its branches at Bombay, Madras, and Delhi at two rupees per copy :

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#### PATENT SEALED ON

27-1-1995

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Cal-10, Del-Nil, Bom-7 & Mas-10

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D-Drug Patent, F-Food Patent.

#### AMENDMENT PROCEEDINGS UNDER SECTION 57.

The amendments proposed by ADVANCED ELASTOMER SYSTEMS, L.P., U.S.A., in respect of patent Application No. 717/MAS/88 (172066) as advertised in Part III, Section 2, of the Gazette of India on 19-6-1993 and no opposition being filed within the stipulated period the said amendments have been allowed.

Notice is hereby given that IMZ FERTIGUNGS-UND VERTRIEBSGESELLSCHAFT FÜR DENTALE TECHNOLOGIE MBH, of Taliastasse 23, 7024 Filderstadt, West Germany, a German Company have made an application under Section 57 of the patents Act, 1970 for amendment of specification of their application for patent No. 172663 for ENOSSAL IMPLANT WITH AN ELASTIC INTERMEDIATE ELEMENT AND METAL SPACER SLEEVE."

The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge of patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same

can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form-30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that The English Electric Company of India Ltd. P.B. No. 2, Pallavaram, MADRAS-600043, have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 173727 for An improved self powered instantaneous over voltage and under voltage Relay. The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras 600 002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of opposition on prescribed Form-30 within 3 months from the date of Notification at the Patent Office Branch, Madras-2. If the written Statement of Opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that AT&T Corp., of 550 Madison Avenue, New York, NY 10022, U.S.A. ————Have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for patent No. (174338) 606/MAS/92 for AN OPTICAL FIBER CABLE The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of Notification at the Patent Office Branch, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, It shall be left within one month from the date of filing the said Notice.

#### RENEWAL FEES PAID

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#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 161609 dated the 8th February, 1983 made by Hollandse Signaalapparaten B.V. on the 15th January, 1994 and notified in the Gazette of India Part III, Section 2 dated the 16th April, 1994 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 166499, SONY KABUSHIKI KAISHA, a Japanese corporation having its registered address at 6-7-35 Kitashinagawa, Shinagawa-Ku, Tokyo 141, Japan, "RECHARGEABLE BATTERY", 15th November 1993.

Class 1. No. 167040, Kim Kraft (P) Limited, an Indian company registered under the companies act, 1956, of 20, Patparganj Village, New Delhi, India, "JEWELRY SET", 18th March 1994.

Class 1. No. 167193, Hussnain International, a partnership firm of Yasmin Garden, Rampur Road, Moradabad 244001, Uttar Pradesh, India, "PITCHER", 16th May 1994.

Class 1. No. 167097, Taparia Tools Limited an Indian company, at Nashik Industrial Area, Trimbak Road, Nashik 442007, Maharashtra, India "WRENCH", 28th March 1994.

Class 1. No. 167755&167753 Sigma Search Lights Ltd. of 7, Hari Sava Street, Calcutta 23, West Bengal, India, "SEARCH LIGHT", 11th July 1994.

Class 1. No. 167694, Sudarsan Varadaram an Indian national of India House, Trichy Road, Coimbatore 641018, Tamil Nadu, India, "TYRE BUILDER", 22nd June 1994.

Class 1. No. 167475, Nangalwala Auto Manufacturing Pvt. Ltd. an Indian company of 29-30 Old Industrial Area, L.T.I. Road, Alwar 301001, Rajasthan, India, "A BATTERY TERMINAL DEVICE", 13th May 1994.

Class 1. No. 168090, Cussons International Ltd. a British Company of Bridgewater House, 60 Whitworth Street, Manchester, M1 6LU, England, "CONTAINER", 13th September 1994.

Class 1. No. 166878, Hi-Tech Concrete Products, an Indian Proprietorship firm of 22, G.L.M. Lane, Ranganj 713347, W.B., India, "FASTENING ARRANGEMENT : S-CLIP", 25th February 1994.

Class 1. No. 166883, S&S Industries & Enterprises Ltd. Aarti Chambers, II Floor, 189 Anna Salai, Madras 600006, Tamilnadu, India, "AUTOMATIC EDIBLE OIL VENDING", 25th February 1994.

Class 1. No. 166541, Wipro Limited, having its office at Bakhtawar, 14th Floor, 229, Nanman Point, Bombay 400021, Maharashtra, India, "LIGHTING APPARATUS", 3rd December 1993.

Class 1. No. 167738, Singer India Limited, of A, D Vika Tower, 6, Nehru Place, New Delhi, 110019, India, "SINGER FASHION MAKER SEWING MACHINE", 1st July 1994.

Class 1. No. 167782, Honda Giken Kogyo Kabushiki Kaisha, a corporation of Japan, having a place of business at 1-1 Minamishinagawa 2-Chome, Minatoku, Tokyo, Japan, "MOTOR-SCOOTER" 15th July 1994.



- Class 1. No. 167783, Honda Giken Kogyo Kabushiki Kaisha "Do", Japan, "BICYCLE", 15th July 1994.
- Class 1. No. 167284, Nortech India Limited, E 9, MIDC Waluj Industrial Area, Waluj 431113, Aurangabad Maharashtra, India, "PRINTED SHEET", 28th April 1994.
- Class 1. No. 167386, LAKSHMI MACHINE WORKS LIMITED, an Indian company having its registered office at Perianaickenpalayam, Coimbatore 641020, Tamilnadu, India, "FILTER BOX ASSEMBLY FOR SPEED FRAME", 5th May 1994.
- Class 1. No. 167387, LAKSHMI MACHINE WORKS LIMITED, an Indian company having its registered office at Perianaickenpalayam, Coimbatore 641020, Tamilnadu, India, "FILTER BOX ASSEMBLY FOR SPEED FRAME" 5th May 1994.
- Class 1. No. 167401, LAKSHMI MACHINE WORKS LIMITED, an Indian company having its registered office at Perianaickenpalayam, Coimbatore 641020, Tamilnadu, India, "SPACER OF A CARD", 5th May 1994.
- Class 1. No. 167402, LAKSHMI MACHINE WORKS LIMITED, an Indian company having its registered office at Perianaickenpalayam, Coimbatore 641020, Tamilnadu, India, "ROLLER OF A CARD", 5th May 1994.
- Class 1. No. 167421, LAKSHMI MACHINE WORKS LIMITED an Indian company having its registered office at Perianaickenpalayam, Coimbatore 641020, Tamilnadu, India, "BOTTOM GUIDE PLATE OF A CARD", 5th May 1994.
- Class 1. No. 167400, LAKSHMI MACHINE WORKS LIMITED, an Indian company having its registered office at Perianaickenpalayam, Coimbatore 641020, Tamilnadu, India, "SLIVER GUIDE OF A CARD", 5th May 1994.
- Class 1. No. 167398, LAKSHMI MACHINE WORKS LIMITED, an Indian company having its registered office at Perianaickenpalayam, Coimbatore 641020, Tamilnadu, India, "CONDENSER OF A CARD", 5th May 1994.
- Class 1. No. 167311, Davinder Bhasin, of C 128, Focal Point, Phase, V, Ludhiana 141010, Punjab, India, "FENCE TOPS", 29th April 1994.
- Class 1. No. 167309 167310 & 167312, Davinder Bhasin, of C 128, Focal Point, Phase V, Ludhiana, 141010, Punjab, India, "FENCE TOPS", 29th April 1994.
- Class 12. No. 167780 & 167781, GLAXO GROUP LIMITED, Glaxo House Berkeley Avenue, Greenford, Middlesex UB6 0NN, Great Britain, "TABLET", 19th January 1994.
- Class 13. No. 167763, Ravissant, a division of Vishal (P) Limited, an Indian company, 24 Nehru Place, New Delhi 110019, India, "PRINTED CLOTH", 12th July 1994.
- Class 14. No. 167181 Parma Nand Arun Kumara Sharma, E 66, Brahm Puri, Gali No. 6, Delhi 110053, India, "BAG", 8th April 1994.
- Class 12. No. 167552, Pakkandathil Kunju Pillai Rajan, of Physicrafts, Swapna, Kollam 691001, Kerala, India, "A THERA PILLOW" 24th May 1994.
- Class 12. No. 168087, Cussons International Ltd. a British company, of Bridgewater House, 60 Whitworth Street, Manchester, M1 6LU, England, "A SOAP", 13th September 1994.
- Class 10. No. 167792, Liberty Enterprises, Liberty House, Karnal, Haryana India, an Indian partnership firm, "SOLE OF THE SHOE", 18th July 1994.
- Class 10. No. 167854, SAAB ASSOCIATES, a partnership firm of address 3721/17, Regar Pura, Hardhyan Singh Road, Karol Bagh, New Delhi 110005, India, "SOLE OF FOOTWEAR", 5th August, 1994.
- Class 10. No. 167851 to 167853, SAAB ASSOCIATES a partnership firm of address 3721/17, Regar Pura, Hardhyan Singh Road, Karol Bagh, New Delhi 110005, India, "SOLE OF FOOTWEAR", 5th August 1994.
- Class 6. No. 167151, Eagle Flask Industries Limited at Talegaon 410507, Pune, Maharashtra, India, "FOOD WARMING POUCH" 5th April 1994.
- Class 4. No. 167345, Nortech India Limited, E 9, MIDC Waluj Industrial Area, Waluj 431113, Aurangabad, Maharashtra, India, "PRINTED TILES", 3rd May 1994.
- Class 4. No. 167739, Parfac Parfuma I Accessoires GmbH & Co. KG, a German company, of Zweifaller Strasse 120, D 52224 Stolberg Germany, "BOTTLE", 4th July 1994.
- Class 4. No. 167778, Inertia Industries Limited, 33, Community Centre, Wazirpur Industrial Area, Delhi 110052, India, "BOTTLE", 14th July, 1994.
- Class 4. No. 167711, SCHWEPPE'S INTERNATIONAL LIMITED, of 25 Berkeley Square, London W1X 6HT, England, "BOTTLE", 28th June 1994.

R. A. ACHARYA

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